

FT.-IN. ∞ \perp Z C T 10,4,7,0,8 Ē \supset ∞ 2 AND NCH NCH NCH FT. −|N. REINFORCED CONCRETE MASONRY WALLS REINFORCED V 10,10,10,10,10 Ē 7777777 NCH CONCRETE (SEE NOTE 2) ZZZZZ RETAINING -BARS MASONRY WALLS 44007000 0000000 00000 882164 344, 32° 16° 24° 88888 WALI BAR **υ440000** 00000 0000000 25 25 25 25 25 25 25 27"

- 1. REINFORCEMENT OF A SIZE AND SPACING OTHER THAN GIVEN IN THE TABLE MAY BE USED, PROVIDING SUCH OTHER REINFORCEMENT FURNISHES AN AREA OF STEEL AT LEAST EQUAL TO THAT INDICATED IN THE TABLE.
- ALTERNATIVE V-BAR MAY BE STOPPED AT THE MID-HEIGHT OF THE WAL SPACING OF THE BARS CONTINUED TO THE TOP DOES NOT EXCEED 36' ₊L (H/2) IF THE
- DOWELS SHALL BE AT LEAST EQUAL IN SIZE AND SPACING TO V-BARS, MINIMUM OF 30 BAR DIAMETERS INTO THE FILLED BLOCK CORES, AND $^\circ$ THE TOE OF THE FOOTING. , SHALL PROJECT A SHALL EXTEND TO
- JOINT REINFORCEMENT CONSISTING OF 9 GA. LONGITUDINAL WIRES AND SHALL BE PROVIDED AT 8" CENTERS VERTICALLY. 3/16" CROSS RODS
- MATERIALS AND CONSTRUCTION PRACTICES SHALL COMPLY WITH ACI 531
- PROVIDE KEY FOR WALLS WHERE "H" EXCEEDS 6'-0", UNLESS WALL IS RESTRAINING FLOOR. ADJACENT TO
- BACKFILLING AGAINST THE WALL SHALL NOT BEGIN UNTIL 14 DAYS AFTER THE CORES HAVE BEEN FILLED WITH CONCRETE. HEAVY EQUIPMENT SHOULD NOT APPROACH CLOSER TO THE WALL THAN A DISTANCE EQUAL TO THE WALL HEIGHT.

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DRAINAGE AND WATERPROOFING BEHIND THE WALL SHALL BE AS REQUIRED BY THE ENGINEER

DESIGN PARAMETERS

* REINFORCED CONCRETE MASONRY
BLOCK GRADE NI OR NII, ASTM C-9
F'c = 1200 PSI
MORTAR TYPE M OR S, ASTM C-27
* REINFORCED CONCRETE
F'c = 4000 PSI
F'y = 40 KSI ASTM C-270 C-90

EARTH

EQUIVALENT FLUID WEIGHT = 45 PCF

LEVEL BACKFILL; NO SURCHARGE

ALLOWABLE BEARING PRESSURE = 2500 PSF

COEFFICIENT OF FRICTION (BETWEEN SOIL AND

(ADAPTED FROM NCMA—TEK 4B)

FOOTING)

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	REINF. MASONRY	BACKFILL	ASSUMED WEIGHTS	
150 0	100	100		
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FACTORS OF SAFETY
SLIDING = 1.5
OVERTURNING = 2.0

COUNTY, PENNSYLVANIA R/C MASONRY WALL

RED	RAWN:	TJA	7/05
esigned	. W OOD		Date 1/95
rawn	S. DUNN		<u>1/95</u>
hecked			
pproved by			

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